



NEWS LETTER

VEHICLES OF NEEDS, NOT VEHICLES OF ENGINEERING

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STEVE

Smart-Taylored L-category Electric Vehicle demonstration in hEterogeneous urban use-cases

STEVE Consortium Meeting

The partners of the STEVE project recently met in the city of Calvià, Spain, on the 19th and 20th of March.

Apart from assessing the progresses made until now and discussing about the tasks yet to be done, the meeting was a great opportunity to have a better insight of the STEVE demonstrator in Calvià. Electric bicycles were available for the partners and were used to discover

and enjoy the touristic seafront route that has been chosen for the demonstration activities in this city.

The intense meeting once again demonstrated the implication and commitment of all partners in this exciting project.

Everyone agreed to keep up with the good momentum of the project in order to successfully achieve the objectives set-up.



STEVE project consortium meeting - Calvià, Spain, 19/03/2019 STEVE Project

JAC Vehicles

JAC has recently delivered the first vehicle prototypes that will be used as part of the demonstration activities in the demonstrators of Villach (Austria), Turin and Venaria (Italy). Preliminary testing on tracks have already been performed successfully in Slovenia. Hardware and software have been developed in order to customize and adapt the vehicles for their use in the frame of the STEVE project.



This includes among other, the integration of the HDMI and the socket adaptation to charge the vehicles.

The vehicles have received the homologation and can now be used on roads.



Urban Mobility and Sustainable Cities

With 68% of the world population projected to live in urban areas by 2050, it is no surprise why cities are seen as **motors for the sustainable development** of European regions and are thus of crucial importance for the future of Europe as a whole. At the same time, **smart mobility** is considered to be the **bedrock of sustainable cities**, due to the pressure it places on the environment, its economic and social impacts, and its ties with other sectors.

It is therefore understandable why most European cities are putting the concept of mobility at the top of their agenda, as mobility is required not only for **developing sustainable, efficient liveable cities**, but also for **attracting top talents and investments**. As a result, technology, connectivity and infrastructure play a crucial role in the definition of urban mobility in cities as they enable seamless and safe **exchange of data** between individuals and smart systems, **better information, smarter decision-making and system optimization** to make a better and more efficient use of the **mobility services and infrastructures** in these cities.



Meet the STEVE Team



Davide Tavernini
Leader of WP1
 Assistant Professor in Advanced Vehicle Engineering at the University of Surrey, UK

He works on the assessment of the needs of the STEVE users, and in the development and experimental testing of novel control strategies to enhance different aspects of the STEVE quadricycles.

"The STEVE project offers a unique opportunity, not only to test our next generation control strategies on the project prototypes and to gather precious data, but more importantly to gain an understanding of the current level of acceptance and interest, through field tests with common users, regarding the technologies that we propose".



Diana Trojaniello
STEVE Partner
 Head of Bioengineering Research, Center for Advanced Technology, San Raffaele Hospital, Italy

Her work focuses on human movement analysis, behaviours and human-centred design. In STEVE, she works on the assessment of the needs of the STEVE users.

"The act of understanding the real STEVE user needs guarantees not only the effectiveness of the technological solution developed, but also the interaction the end-users will have with the system according to their existing behaviors, motivations and social/cultural background."

STEVE Demonstrators' Updates

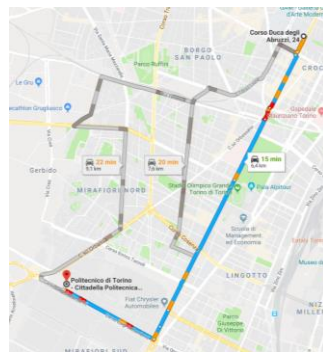
Different pilot activities are about to start in all four of the STEVE cities. Each city has thoroughly selected, mapped and characterized the routes where the tests and eco-drive challenge will be carried out. Below are some examples of the routes that will be used.



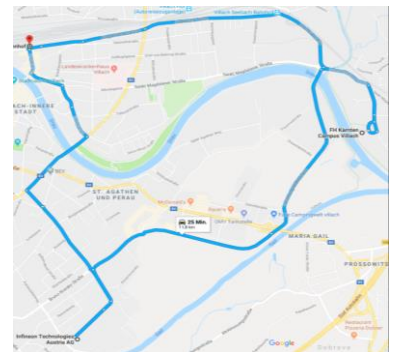
Past & Upcoming Events:

The STEVE project has been and will continue to be presented at different conferences, workshops and other kinds of events:

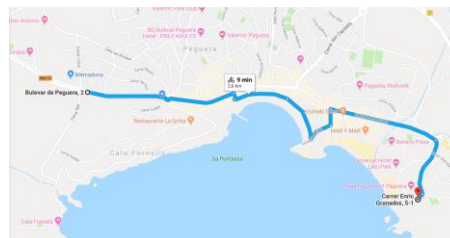
- Go Mobility, Irún, Spain, 27-28 November 2018
- Showcase of the STEVE vehicles during the *Festa Delle Rose*, Venaria, Italy, 17th-19th May 2019



Turin: POLITO main campus to POLITO automotive engineering buildings



Villach: Hauptbahnhof – IFAG – FH Kärnten Campus



Calvià: Paguera Boulevard

Stay connected with STEVE

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